ABSTRACT OF THE DISCLOSURE

**SOLAR POWER SYSTEM**

A solar power system having a heat exchanger, a heat-focusing device used to receive sunlight, a power-generating device, a power-transforming device coupled to the power-generating device, and a power storage coupled to the power-transforming device is provided. The heat exchanger has a first guiding channel for a first heat-exchange fluid and a second guiding channel for a second heat-exchange fluid. Sunlight is focused to the first heat-exchange fluid flow in the first guiding channel by the heat-focusing device. One end of the power-generating device is communicated with the outlet of the second guiding channel, and the second heat-exchange fluid is suitable for driving the power-generating device to produce a mechanical energy. The power-transforming device is suitable for transforming the mechanical energy into an electric power and storing the electric power into the power storage.

Fig. ~~1~~2A